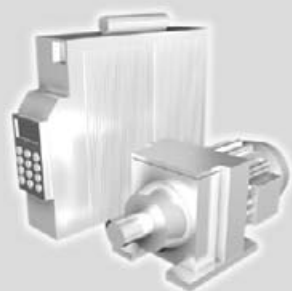




SEW
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MOVITRANS® SHELL TPS **Startup Software Version 1.0**

FC430000

Edition 10/2004

11272716 / EN

Manual





1 Important Notes..... 4



2 Introduction 6
 2.1 What is MOVITRANS® SHELL TPS? 6
 2.2 Application areas 6
 2.3 Prerequisites 6
 2.4 Serial interface type USS21A (RS-232) 6



3 Installation 7
 3.1 General information 7
 3.2 Prerequisites 7
 3.3 Installation 7
 3.4 Program files 8



4 Layout 9
 4.1 Screen layout 9
 4.2 Interface 10



5 Operation 12
 5.1 Starting the program 12
 5.2 Establishing a connection 12
 5.3 Ending the connection 12
 5.4 Changing the interface 13
 5.5 Function call 13
 5.6 Exiting the program 13



6 Functions 14
 6.1 Unit data 14
 6.2 Process values 15
 6.3 Fault memory 19
 6.4 Min./max. values 21
 6.5 Compensation 23
 6.6 Reset response 25



7 Index 27



1 Important Notes

Safety and warning notes

Always observe the safety and warning instructions in this publication!



Hazard

Indicates an imminently hazardous situation which, if not avoided, **WILL** result in death or serious injury.



Warning

Indicates an imminently hazardous situation caused by the product which, if not avoided, **WILL** result in death or serious injury. You will also find this signal to indicate potential for damage to property.



Caution

Indicates a potentially hazardous situation which, if not avoided, **MAY** result in minor injury or damage to products.



Note

Indicates a reference to useful information, e.g. on startup.



Documentation reference

Indicates a reference to a document, such as operating instructions, a catalog or a data sheet.



You must adhere to the **operating instructions** to ensure:

- **Fault-free operation**
- **Fulfillment of any rights to claim under limited warranty**

Therefore, you should read the operating instructions for the individual components before installing the MOVITRANS® SHELL TPS startup software and starting the MOVITRANS® TPS10A stationary converter.

**Designated use**

MOVITRANS® TPS10A stationary converters are intended for use in industrial and commercial systems for the operation of contactless power transmission systems. Only connect the stipulated and suitable components to the stationary converter.

MOVITRANS® TPS10A stationary converters are designed to be installed in control cabinets. Observe all instructions on the technical data and the permitted conditions where the unit is operated.

Do not start up the unit (take it into operation in the designated fashion) until you have established that the machine complies with the EMC Directive 89/336/EEC and that the conformity of the end product has been determined in accordance with the Machinery Directive 89/392/EEC (with reference to EN 60204).

The rules and regulations of the Professional Association (Berufsgenossenschaft, BG), in particular BG rule B11 "Electromagnetic fields", must be observed during installation, startup and operation of systems with contactless energy transfer by induction **for use in industrial workplaces**.

Operational environment

The following uses are forbidden, unless measures are expressly taken to make them possible:

- In explosion-proof areas
- In areas exposed to harmful oils, acids, gases, vapors, dust, radiation, etc.
- In non-stationary applications with mechanical vibration and shock loads exceeding the values stipulated in EN 50178

Waste disposal

Please follow the latest instructions: Dispose in accordance with the material structure and the regulations in force, for instance as:

- Electronics scrap (circuit boards)
- Plastic (housing)
- Sheet metal
- Copper

etc.



2 Introduction

2.1 What is MOVITRANS® SHELL TPS?

Description MOVITRANS® SHELL TPS is a program you can use to display the current process values and unit functions of the MOVITRANS® TPS10A stationary converter.

2.2 Application areas

Application MOVITRANS® SHELL TPS is used when it is important that you know what the current process and display values or the diagnostic characteristics are, for example, for:

- Track compensation at startup
- Fault diagnostics and storage for solving problems

2.3 Prerequisites

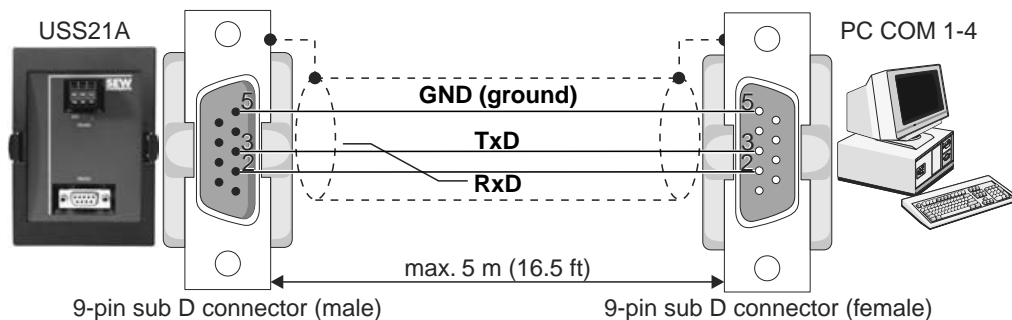
Communication Communication between the MOVITRANS® TPS10A stationary converter and the host computer (PC or notebook) takes place via a serial interface.

The MOVITRANS® TPS10A stationary converter must be fitted with an isolated USS21A (RS-232) interface and the host computer must have a free serial port.

2.4 Serial interface type USS21A (RS-232)

Description The USS21A (RS-232) serial interface is designed as a 9-pin sub-D socket (EIA standard) and fitted in a housing to be plugged into the inverter (TERMINAL slot). The option can be plugged in during operation. The transmission rate of the RS-232 interface is 9600 baud.

Connection Use a commercially-available, serial, shielded interface cable with 1:1 connection to connect the host computer (PC or notebook) to the USS21A (RS-232) serial interface.



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3 Installation

3.1 General information

Installation The following section describes how to install the MOVITRANS® SHELL TPS software.

3.2 Prerequisites

Hardware The host computer, on which the MOVITRANS® SHELL TPS startup software is installed, must meet the following system requirements:

- Processor: at least Pentium
- Main memory (RAM): at least 32 MB
- Available fixed disk storage: 3 MB
- Graphics card: 800 x 600, 256 colors (recommended: High Color 16-Bit)
- CD-ROM drive (when installing the CD-ROM)
- Operating system: Microsoft® Windows® 95, 98, NT 4.0, 2000 or XP

3.3 Installation

- Instructions** Proceed as follows to install the SHELL TPS software:
1. Insert the supplied data medium in the drive.
 2. Select and copy the following files from the "Shell TPS" directory:
 - SHELLTPS.EXE
 - MOVILINKSER.DLL
 - MFC42D.DLL
 - MFCO42D.DLL
 - MSVCRTD.DLL
 - SHELLTPS_Manual.pdf
 3. Create a new folder in the target directory for the required drive, e.g. "C:\Programs\SEW\SHELLTPS"
 4. Insert the files you copied in the new folder.
 5. If necessary, create shortcuts to "SHELLTPS.exe" on your desktop or in the start menu.
 6. Test your installation by starting the SHELL TPS software. To do so, choose one of the following options:
 - Double-click on the "SHELLTPS.EXE" icon in the installation folder
 - Use the mouse to navigate to the correct item in the start menu
 - Double-click on the shortcut you created on the desktop
 7. Choose one of the following options to open the help file:
 - Double-click on the "_SHELLTPS_Manual.pdf" icon in the installation folder
 - Select "?" / "User manual" from the menu bar in the SHELL TPS software



3.4 Program files

Overview

The installed files have the following functions:

- **SHELLTPS.EXE:**

The "SHELLTPS.EXE" file is an executable program file (.EXE) used to start the software on the host computer (PC or notebook).

- **MOVILINKSER.DLL:**

The "MOVILINKSER.DLL" file is needed for serial communication with the connected MOVITRANS® TPS10A stationary converter.

- **MFC42D.DLL, MFCO42D.DLL and MSVCRTD.DLL:**

These files are MFC files (MFC = Microsoft Foundation Class) required for generating the interfaces.

- **SHELLTPS_Manual.pdf:**

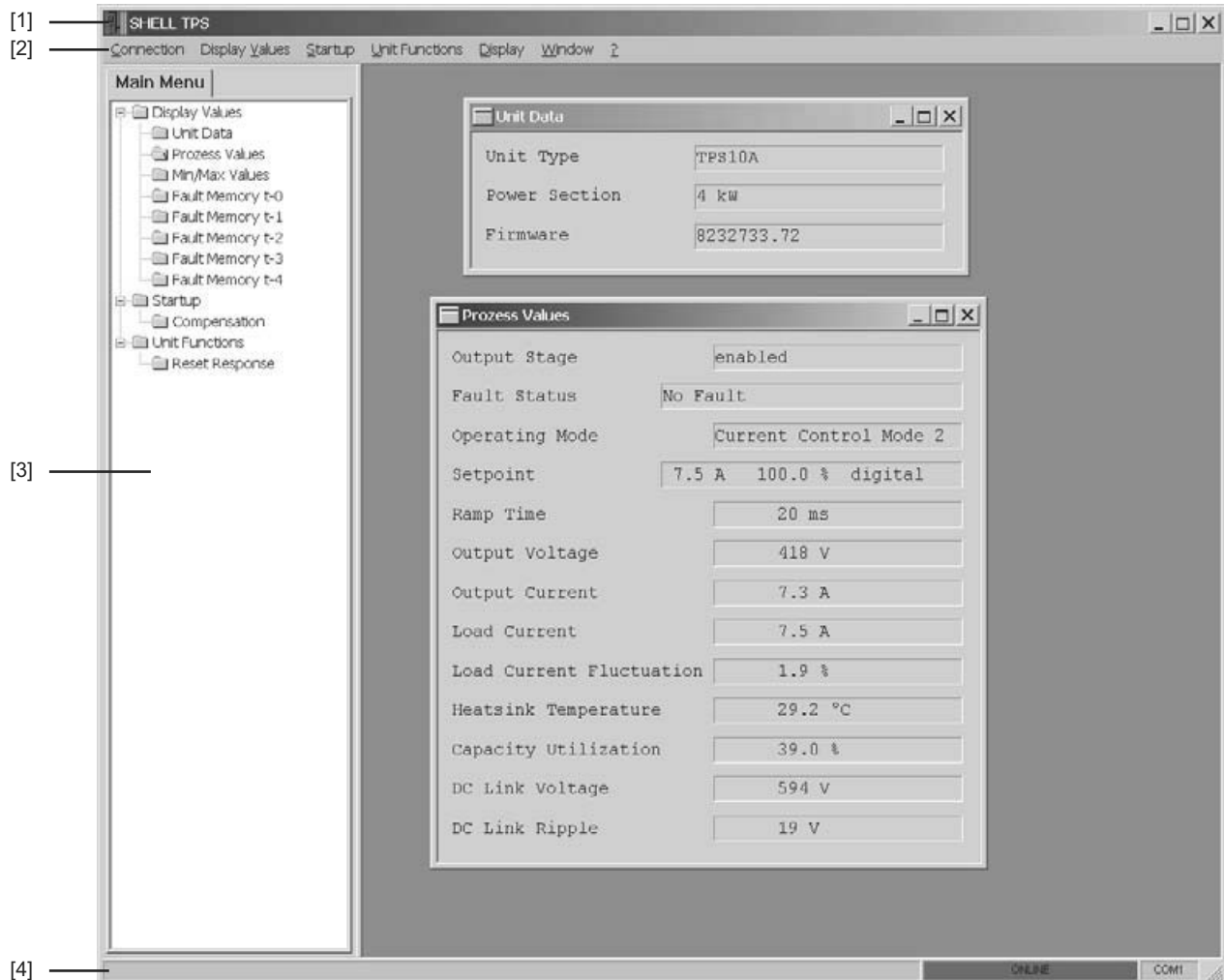
The "SHELLTPS_Manual.pdf" file contains detailed documentation describing the design and functions of the startup software.



4 Layout

4.1 Screen layout

The SHELL TPS software interface is displayed when you start the program:



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- [1] Title bar
- [2] Menu bar
- [3] Work area
- [4] Status bar



4.2 Interface

Elements

The interface of the SHELL TPS software includes a title bar, a menu bar, a work or display area and a status bar. The following section describes the functions and options available with these elements:

Title bar

The title bar contains the icon and name of the program and the symbols for window control (minimize, enlarge/reduce, close).

Menu bar

The menu bar displays the software's main menus. You can click on the menu bar to call up menu items offering additional display or editing options.

Work and display area

The work area is the space between the menu bar and the status bar. The display values, startup data and the unit functions of the connected MOVITRANS® TPS10A stationary converter are displayed here.

The work area is divided into two areas: A list of possible display values is displayed on the left side. Windows containing detailed information are displayed on the right side. Click on one of the entries in the list on the left to open a window.

In the three groups "Display values", "Startup" and "Unit functions," the following information windows can be displayed individually or simultaneously:

- **Display values**
 - Unit data
 - Process values
 - Min./Max. values
 - Fault memory (t-0, t-1, t-2, t-3 and t-4)
- **Startup**
 - Compensation
- **Unit functions**
 - Reset response

Status bar

The **current connection status** between the SHELL TPS software and the MOVITRANS® TPS10A stationary converter is displayed in the status bar.

• Offline

If the status "OFFLINE" is displayed, there is no connection between the host computer and the MOVITRANS® TPS10A stationary converter.

• Online

If the status "ONLINE" is displayed, the host computer is connected to the MOVITRANS® TPS10A stationary converter via a serial interface.

The SHELL TPS software detects the active connection to the stationary converter and reads in the current process values and unit data.

• Standby

If the status "STANDBY" is displayed, the connection between the host computer and the MOVITRANS® TPS10A stationary converter is interrupted.

The SHELL TPS software continues to try to receive and display process values via the selected serial interface.

If the connection to the MOVITRANS® TPS10A stationary converter is reestablished again correctly, the current process values can be received and displayed. The connection status changes back automatically to "ONLINE".

**Status change**

The connection status changes when the connection is interrupted or if the stationary converter is switched off:

- If the SHELL TPS software is no longer able to receive current process values, the connection status changes automatically from "ONLINE" to "STANDBY".
- If the connection to the stationary converter is interrupted, the connection status changes from "ONLINE" to "OFFLINE".
- If the connection to the stationary converter is reestablished, the connection status changes from "OFFLINE" or "STANDBY" to "ONLINE".

Function call

All information on the display values, startup data and unit functions can either be called up from the menu bar or from the list in the work area.

The connection between the host computer and the MOVITRANS® TPS10A stationary converter can be established or separated via the "Connection" menu in the menu bar. This function is only available in the menu bar.

Window control

You can set the size of the windows as required:

- To change the width of the windows, click and hold the left mouse button and move the edge of the window to the left or the right.
- To change the height of the windows, click and hold the left mouse button and move the upper or lower edge of the window up or down.
- Both settings can be changed at the same time by clicking and holding the left mouse button and moving the right or left-hand corners of the window.

The standard window settings are displayed automatically.



5 Operation

5.1 Starting the program

Instructions

Proceed as follows to start the SHELL TPS software:

1. Make sure that the MOVITRANS® TPS10A stationary converter is fitted with a USS21A (RS-232) serial interface.
2. Connect the host computer (e.g. PC or notebook) to the MOVITRANS® TPS10A stationary converter using a commercially available serial interface.
3. Start the SHELL TPS software using one of the following options:
 - Double-click on the "SHELLTPS.EXE" icon in the installation folder
 - Use the mouse to navigate to the item you created in the start menu
 - Double-click on the shortcut you created on the desktop

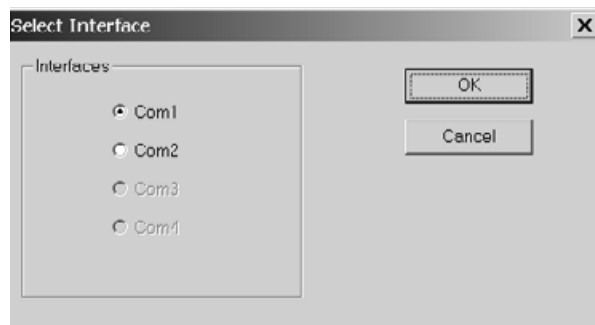
5.2 Establishing a connection

Instructions

Proceed as follows to establish a connection between the SHELL TPS software and the TPS10A stationary converter:

1. From the main menu, choose "Connection" / "Connect".

The window "Select Interface" is displayed:



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2. Select one of the available interfaces.
3. Confirm your selection by clicking "OK".

The connection is established. The current connection status ("ONLINE" or "STANDBY") is displayed in the status bar.

5.3 Ending the connection

Instructions

Proceed as follows to end the connection between the SHELL TPS software and the TPS10A stationary converter:

1. From the main menu, choose "Connection" / "Disconnect".

The connection is disconnected. The current connection status ("OFFLINE") is displayed in the status bar. The interface that was previously assigned is enabled.



The menu item "Disconnect" is only available when a connection has been established with the MOVITRANS® TPS10A stationary converter (connection status "ONLINE" or "STANDBY").



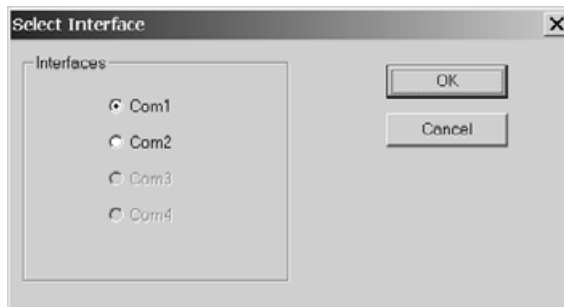
5.4 Changing the interface

Instructions

Proceed as follows to change the interface connection between the SHELL TPS software and the TPS10A stationary converter:

1. From the menu, choose "Connection" / "Change".

The window "Select Interface" is displayed:



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2. Select one of the available interfaces.
3. Confirm your selection by clicking "OK".

The connection is established via the selected interface. The current connection status ("ONLINE" or "STANDBY") is displayed in the status bar. The serial interface that was previously assigned is enabled.



The menu item "Change" is only available when a connection has been established with the MOVITRANS® TPS10A stationary converter (connection status "ONLINE" or "STANDBY").

5.5 Function call

Instructions

Use one of the following options to call up the information windows of the SHELL TPS software:

- Select the required menu item from the menu bar.
- Open the information window by double-clicking on an entry in the list on the left-hand side of the work area.



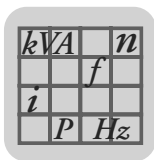
The "Connection" menu is only available in the menu bar.

5.6 Exiting the program

Instructions

Use one of the following options to exit the SHELL TPS software:

- From the main menu, choose "Connection" / "Exit".
- Use the "Close" icon from the window control.
- Hold the Alt key down and press the "F4" function key.



6 Functions

The following section describes the information windows in the SHELL TPS software with the display values for start up and the unit functions.

6.1 Unit data

Display

Proceed as follows to display the unit data:

1. Choose the menu item "Unit Data" from the "Display Values" menu.

Alternatively, you can open the information window by double-clicking on the entry "Unit Data" in the list on the left side of the work area.

The "Unit Data" window is displayed:



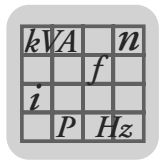
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- [1] Unit type display field
- [2] Power section display field
- [3] Firmware display field

Description

The following information is displayed in the "Unit data" window:

- **Unit type [1]**
The connected unit type is displayed here.
- **Power section [2]**
The connected power section is displayed here.
- **Firmware [3]**
The firmware version is displayed here.



6.2 Process values

Display

Proceed as follows to display the process values:

1. Choose the menu item "Process Values" from the "Display Values" menu.

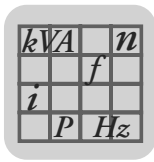
Alternatively, you can open the information window by double-clicking on the entry "Process Values" in the list on the left side of the work area.

The "Process Values" window is displayed:

Index	Parameter	Value
[1]	Output Stage	enabled
[2]	Fault Status	No Fault
[3]	Operating Mode	Current Control Mode 2
[4]	Setpoint	7.5 A 100.0 % digital
[5]	Ramp Time	20 ms
[6]	Output Voltage	418 V
[7]	Output Current	7.3 A
[8]	Load Current	7.5 A
[9]	Load Current Fluctuation	1.9 %
[10]	Heatsink Temperature	29.2 °C
[11]	Capacity Utilization	39.0 %
[12]	DC Link Voltage	594 V
[13]	DC Link Ripple	19 V

55033AEN

- [1] Output stage display field
- [2] Fault status display field
- [3] Operating type display field
- [4] Setpoint display field
- [5] Ramp time display field
- [6] Output voltage display field
- [7] Output current display field
- [8] Load current display field
- [9] Load current fluctuation display field
- [10] Heat sink temperature display field
- [11] Capacity utilization display field
- [12] DC link voltage display field
- [13] DC link ripple display field



Description

The following information is displayed in the "Process Values" window:

- **Output stage [1]**

The status of the output stage is displayed here. The following display values are possible:

- **Inhibited**
The output stage is currently inhibited.
- **Enabled**
The output stage is currently enabled.

The status of the output stage can be influenced via binary input DIØØ or by a fault.



For more information on this topic, refer to the operating instructions for MOVITRANS® TPS10A under the section "Operation and Service" (Auto reset function and operating displays).

- **Fault status [2]**

The current fault status is displayed here. The following display values are possible:

- **No fault**
There is currently no fault.
- **Overcurrent**
The maximum permitted unit output current has been exceeded. This fault leads to an output stage inhibit.
- **External fault**
This fault is triggered when binary input DIØ1 = "0". This fault leads to an output stage inhibit.
- **Overtemperature**
The maximum permitted heat sink temperature has been exceeded. This fault leads to an output stage inhibit.
- **U_Z undervoltage**
The DC link voltage is too low. This fault leads to a fault message at binary output DOØ2.

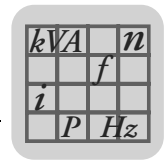


For more information on the possible causes of the faults and remedial measures, refer to the operating instructions for MOVITRANS® TPS10A under the section "Operation and Service" (Auto reset function and operating displays).

- **Operating mode [3]**

The current operating mode is displayed here. The following display values are possible:

- **Current control mode 1**
The MOVITRANS® TPS10A stationary converter is operating in the mode "Current control mode 1" (binary input DIØ3 = "0").
- **Current control mode 2**
The MOVITRANS® TPS10A stationary converter is operating in the mode "Current control mode 2" (binary input DIØ3 = "1").



- **Setpoint [4]**

The setpoint selection for the current is displayed here. The following display values are possible:

- **1.6 A 21.0 % analog**

The setpoint specification "Analog input" is made by setting terminals DIØ4 to "0" and DIØ5 to "0". The analog setpoint at terminal AI11 / AI12 is used as the setpoint, for example here 21 % I_L .

- **3.8 A 50.0 % digital**

The setpoint 50 % I_L is selected by setting the terminals DIØ3 to "1", DIØ4 to "0" and DIØ5 to "1".

- **7.5 A 100.0 % digital**

The setpoint 100 % I_L is selected by setting the terminals DIØ4 to "1" and DIØ5 to "1".

The percentages of the current setpoint are based on the values of the nominal load current I_L . The above values are examples of setpoints for a 4 kW MOVITRANS® TPS10A stationary converter with a nominal load current of $I_L = 7.5 A_{eff}$.

- **Ramp time [5]**

The ramp time is displayed here.

- **Output voltage [6]**

The r.m.s. value of the output voltage is displayed here.

- **Output current [7]**

The r.m.s. value of the output current is displayed here.

- **Load current [8]**

The r.m.s. value of the load current is displayed here.

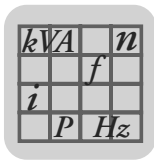
- **Load current fluctuation [9]**

The load current fluctuation is displayed here.

The load current fluctuation represents the fluctuation range of the load current based on the value of the nominal load current ($\Delta I_L / I_L$).

- **Heat sink temperature [10]**

The heat sink temperature is displayed here.



Functions

Process values

- **Capacity utilization [11]**

The capacity utilization is displayed here.

The capacity utilization is the present unit output current based on the maximum permitted unit output current.

When the unit reaches a capacity utilization of 100 %, the unit switches off and outputs the fault message "Overcurrent".



For more information on this topic, refer to the operating instructions for MOVITRANS® TPS10A under the section "Operation and Service" (Auto reset function and operating displays).

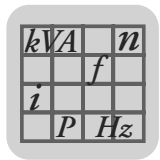
- **DC link voltage [12]**

The DC link voltage is displayed here.

- **DC link ripple [13]**

The DC link ripple is displayed here.

The DC link ripple represents the fluctuation range of the DC link voltage.



6.3 Fault memory

The SHELL TPS software can store several faults. Five fault memories (t-0, t-1, t-2, t-3 and t-4) are available.

The faults are stored in chronological order with the most recent error event being stored in fault memory t-0. If more than five faults occur, the oldest fault, which is stored in fault memory t-4, is deleted.

Display

Proceed as follows to display the fault memories:

1. Choose the required fault memory, e.g. "Fault memory t-0", from the "Display Values" menu.

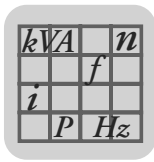
Alternatively, you can open the information window by double-clicking on the entry (e.g. "Fault memory t-0") in the list on the left side of the work area.

The window "Fault memory t-0" is displayed:

[1]	Fault Status	External Fault
[2]	Output Stage	enabled
[3]	Operating Mode	Current Control Mode 2
[4]	Setpoint	7.5 A 100.0 % digital
[5]	Ramp Time	20 ms
[6]	Output Voltage	418 V
[7]	Output Current	7.3 A
[8]	Load Current	7.5 A
[9]	Load Current Fluctuation	2.2 %
[10]	Heatsink Temperature	33.5 °C
[11]	Capacity Utilization	39.0 %
[12]	DC Link Voltage	582 V
[13]	DC Link Ripple	20 V

55035AEN

- [1] Fault status display field
- [2] Output stage display field
- [3] Operating type display field
- [4] Setpoint display field
- [5] Ramp time display field
- [6] Output voltage display field
- [7] Output current display field
- [8] Load current display field
- [9] Load current fluctuation display field
- [10] Heat sink temperature display field
- [11] Capacity utilization display field
- [12] DC link voltage display field
- [13] DC link ripple display field



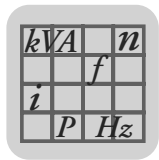
In the event of a fault

The information that is determined when an error occurs is displayed in the "Fault memory t-0" window and stored in the fault memory "t-0".

- **Fault status [1]**
The current fault status is displayed here.
- **Output stage [2]**
The status of the output stage is displayed here.
- **Operating mode [3]**
The current operating mode is displayed here.
- **Setpoint [4]**
The setpoint selection for the current is displayed here.
- **Ramp time [5]**
The ramp time is displayed here.
- **Output voltage [6]**
The r.m.s. value of the output voltage is displayed here.
- **Output current [7]**
The r.m.s. value of the output current is displayed here.
- **Load current [8]**
The r.m.s. value of the load current is displayed here.
- **Load current fluctuation [9]**
The load current fluctuation is displayed here, e.g. "1.7 ms".
- **Heat sink temperature [10]**
The heat sink temperature is displayed here.
- **Capacity utilization [11]**
The capacity utilization is displayed here.
- **DC link voltage [12]**
The DC link voltage is displayed here.
- **DC link ripple [13]**
The DC link ripple is displayed here.



For more information on the display values and what they mean, refer to the section "Process values".



6.4 Min./max. values

The minimum and maximum process values, recorded since the last time the unit was switched on, are stored in the "Min./max. values" window.

Display

Proceed as follows to display the min./max. values:

1. Choose the menu item "Min./Max. Values" from the "Display Values" menu.

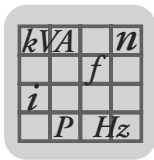
Alternatively, you can open the information window by double-clicking on the entry "Min./Max. Values" in the list on the left side of the work area.

The window "Min./Max. Values" is displayed:

	Min	Max
[1] — Output Voltage	176 V	178 V
[2] — Output Current	3.0 A	3.1 A
[3] — Load Current	2.7 A	3.1 A
[4] — Load Current Fluctuation	0.7 %	1.4 %
[5] — Heatsink Temperature	34.0 °C	34.3 °C
[6] — Capacity Utilization	16.2 %	16.6 %
[7] — DC Link Voltage	583 V	595 V
[8] — DC link Ripple	9 V	10 V
[9] — <input type="button" value="Reset"/>		

55034AEN

- [1] Output voltage display field
- [2] Output current display field
- [3] Load current display field
- [4] Load current fluctuation display field
- [5] Heat sink temperature display field
- [6] Capacity utilization display field
- [7] DC link voltage display field
- [8] DC link ripple display field
- [9] Reset button



Functions

Min./max. values

Description

The following minimum and maximum process values are displayed stored in the "Min./Max. Values" window:

- **Output voltage [1]**
The minimum and maximum values of the output voltage is displayed here.
- **Output current [2]**
The minimum and maximum values of the output current is displayed here.
- **Load current [3]**
The minimum and maximum values of the load current is displayed here.
- **Load current fluctuation [4]**
The minimum and maximum load current fluctuations are displayed here.
- **Heat sink temperature [5]**
The minimum and maximum heat sink temperatures are displayed here.
- **Capacity utilization [6]**
The minimum and maximum capacity utilization values are displayed here.
- **DC link voltage [7]**
The minimum and maximum DC link voltage values are displayed here.
- **DC link ripple [8]**
The minimum and maximum DC link ripple values are displayed here.

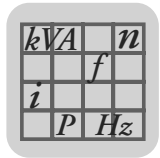


For more information on the display values and what they mean, refer to the section "Process values".

Reset

To reset these values to the current process values, press the reset button. Proceed as follows to reset the min./max. values:

1. Choose the menu item "Min./Max. Values" from the "Display Values" menu.
Alternatively, you can open the information window by double-clicking on the entry "Min./Max. Values" in the list on the left side of the work area.
The window "Min./Max. Values" is displayed.
2. In the "Min./Max. Values" window, press the "Reset" button [9].
The documented display values are replaced by the current process values.



6.5 Compensation

The "Compensation" window is used during the startup of the MOVITRANS® TPS10A stationary converter to support the compensation of the line conductor.



To achieve the best measuring results it is important that no real power is transferred during the measurement.



For more information on this topic, refer to the "MOVITRANS® TAS10A " operating instructions under the section "Startup" (Startup steps).

Display

Proceed as follows to display the current compensation errors:

1. Choose the menu item "Compensation" from the "Startup" menu.

Alternatively, you can open the information window by double-clicking on the entry "Compensation" in the list on the left side of the work area.

The "Compensation" window is displayed:

Compensation

Ensure that real power transmission cannot take place.

For the best measuring results, enter the largest possible setpoint.

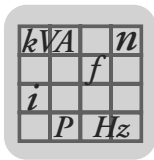
[1] — Nominal line conductor current at 100% setpoint: 60 A

[2] — Relative Compensation Error 308.8 %

[3] — Absolute Compensation Error 2.57 Ohm

55036AEN

- [1] Selection list for the nominal line conductor current
- [2] Relative compensation error display field
- [3] Absolute compensation error display field



Description

The following information and compensation errors are displayed in the "Compensation" window:

- **Nominal line conductor current [1]**

The nominal line conductor current at 100 % setpoint is set here.

In the line conductor current field, enter the line conductor current for the system in question (rated output current of the MOVITRANS® TAS10A transformer module). This value is used to calculate the absolute compensation error correctly.

- **Relative compensation error [2]**

The relative compensation error is displayed here (Δr = output current / load current in %).

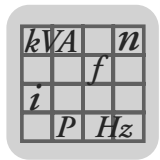
- **Absolute compensation error [3]**

The absolute compensation error is displayed here.

Line conductor current

Proceed as follows to change the nominal line conductor current:

1. Choose the menu item "Compensation" from the "Startup" menu.
Alternatively, you can open the information window by double-clicking on the entry "Compensation" in the list on the left side of the work area.
The "Compensation" window is displayed.
2. Select the nominal line conductor current [1] at 100 % setpoint.
3. Click on the arrow next to the displayed value and make a selection from the list.
The selected nominal line conductor current (60 A or 85 A) is displayed.



6.6 Reset response

Information on the reset function is displayed in the "Reset response" window.

You can use the reset function to reset errors that occur in the MOVITRANS® TPS10A stationary converter automatically after a set time.



The auto reset function must not be used in systems where the automatic restart represents a risk of injury to persons or damage to equipment!



For more information on this topic, refer to the operating instructions for MOVITRANS® TPS10A under the section "Operation and Service" (Auto reset function).

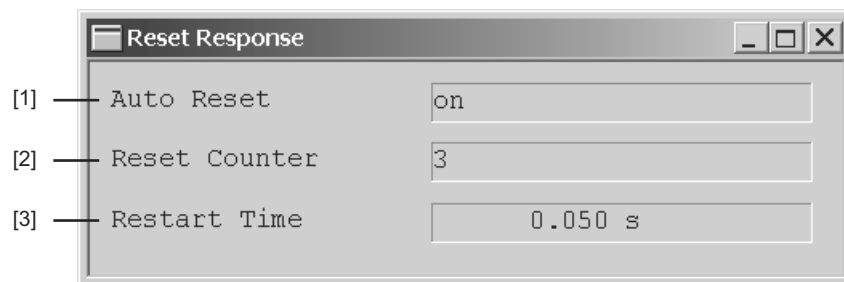
Display

Proceed as follows to display the reset information:

1. Choose "Reset Response" from the "Unit Functions" menu.

Alternatively, you can open the information window by double-clicking on the entry "Reset Response" in the list on the left side of the work area.

The window "Reset response" is displayed:



55037AEN

- [1] Auto reset display field
- [2] Reset counter display field
- [3] Restart time display field

Description

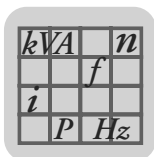
The following information is displayed in the "Reset response" window:

- **Auto Reset [1]**

The current status of the auto reset function is displayed here. The following display values are possible:

- **On**
The auto reset function is activated.
- **Off**
The auto reset function is deactivated.

The auto reset function can be switched on (DIØ2="1") or switched off (DIØ2="0") via binary input DIØ2.



Functions

Reset response

- **Reset Counter [2]**

The number of resets possible is displayed here.

When the auto reset function is activated, up to 3 automatic resets are possible.

- **Restart Time [3]**

The restart time; that is the interval between the time when the fault and occurs and the time it is reset, is displayed here.

The restart time is set to 50 ms.

Fault reset

The following errors can be reset automatically when the auto reset function is activated:

- Overcurrent
- External fault
- Overtemperature



7 Index

A

Application areas6

C

Changing the interface13

Compensation23

Connection change11

Connection status10

Offline10

Online10

Standby10

D

Definition6

Designated use5

E

Ending the connection 12, 13

Establishing a connection12

Exiting the program13

F

Fault memory19

Function call11

Functions14

H

Hardware prerequisites7

I

Installation7

Interface 9, 10

M

Menu bar10

Min./max. values21

O

Operation12

Function call11

Window control11

Operational environment5

P

Prerequisites

Communication6

Hardware7

Prerequisites for communication6

Process values15

Program files8

Program layout9

R

Reset response 25

S

Safety notes 4

Screen layout 9

Serial interface USS21A 6

SHELL TPS

Application areas 6

Changing the interface 13

Compensation 23

Connection change 11

Connection status 10

Ending the connection 12, 13

Establishing a connection 12

Exiting the program 13

Fault memory 19

Functions 14

Installation 7

Installation files 8

Menu bar 10

Min./max. values 21

Operation 12

Process values 15

Reset response 25

Screen layout 9

Starting the program 12

Status bar 10

Title bar 10

Unit data 14

Work and display area 10

Starting the program 12

Status bar 10

T

Title bar 10

U

Unit data 14

USS21A serial interface option 6

W

Warning notes 4

Waste disposal 5

Window control 11

Work and display area 10



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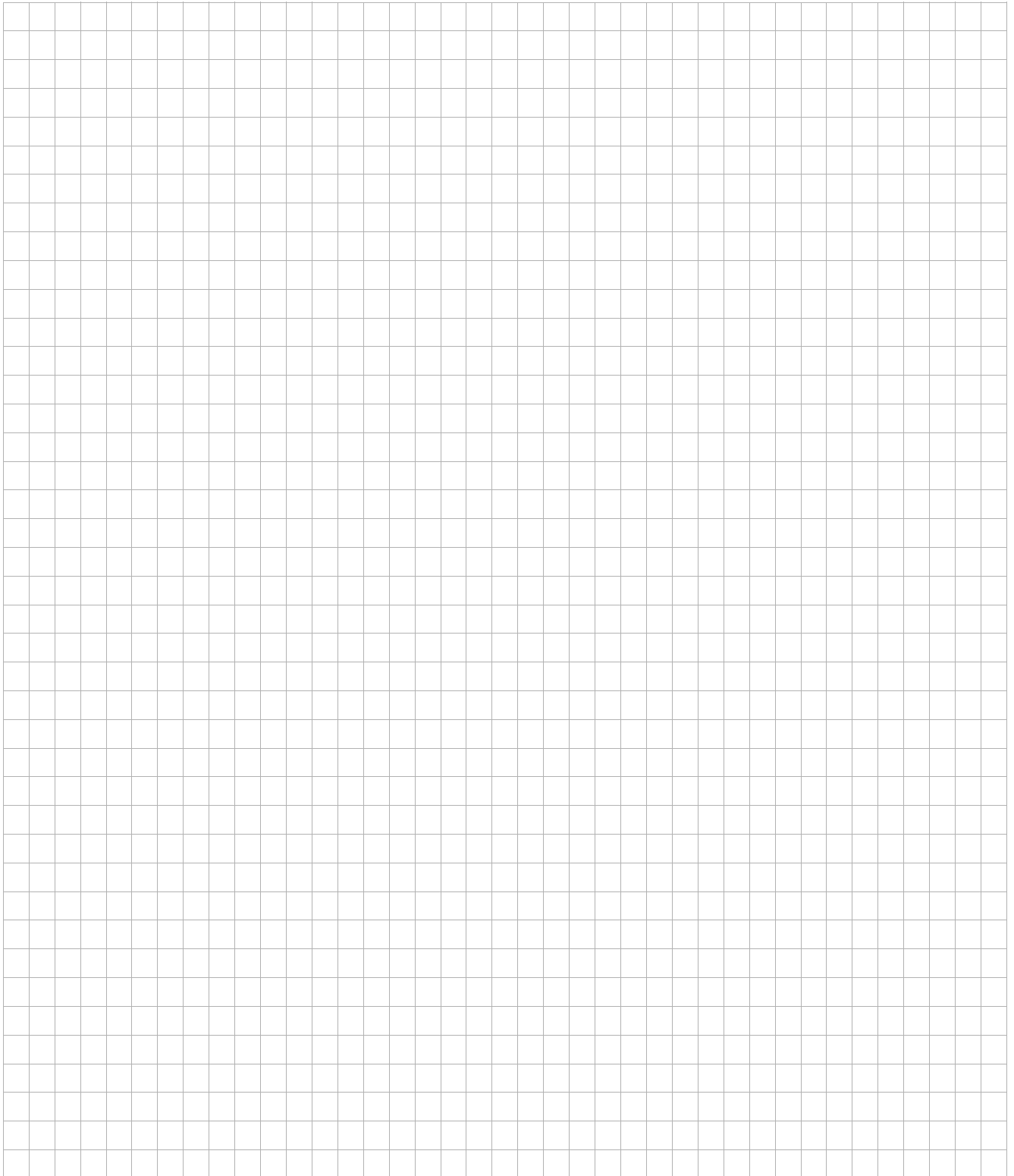


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	Philadelphia/PA	SEW-EURODRIVE INC. Pureland Ind. Complex 2107 High Hill Road, P.O. Box 481 Bridgeport, New Jersey 08014	Tel. +1 856 467-2277 Fax +1 856 845-3179 csbridgeport@seweurodrive.com
	Dayton	SEW-EURODRIVE INC. 2001 West Main Street Troy, Ohio 45373	Tel. +1 937 335-0036 Fax +1 937 440-3799 cstroy@seweurodrive.com
	Dallas	SEW-EURODRIVE INC. 3950 Platinum Way Dallas, Texas 75237	Tel. +1 214 330-4824 Fax +1 214 330-4724 csdallas@seweurodrive.com
Additional addresses for service in the USA provided on request!			
Venezuela			
Assembly Sales Service	Valencia	SEW-EURODRIVE Venezuela S.A. Av. Norte Sur No. 3, Galpon 84-319 Zona Industrial Municipal Norte Valencia, Estado Carabobo	Tel. +58 241 832-9804 Fax +58 241 838-6275 sewventas@cantv.net sewfinanzas@cantv.net



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